



Sheet 1 of 3

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| FORM PTO-1449 (REV. 7-80) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 021653.0138 | SERIAL NO. 09/083,198 |
| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | APPLICANT BRINGI et al. | EXAMINER: Unknown |
| | | FILING DATE May 22, 1998 | GROUP 1632 |

U.S. PATENT DOCUMENTS

| *EXAM | | | | | | | | | | | | | FILING |
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| <i>m</i> | A | 5 | 3 | 1 | 2 | 7 | 7 | 0 | 5/1994 | SAITO et al. | — | — | |
| <i>m</i> | B | 5 | 0 | 1 | 9 | 5 | 0 | 4 | 5/1991 | CHRISTEN et al. | — | — | |
| <i>m</i> | C | 5 | 3 | 4 | 4 | 7 | 7 | 5 | 9/1994 | SMITH | ✓ | ✓ | |

FOREIGN PATENT DOCUMENT

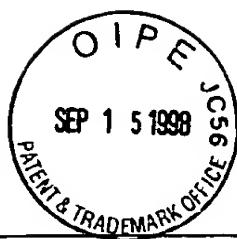
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| <i>m</i> | A | W | | 1 | 3 | 9 | 6 | 1 | 8/1992 | PCT | — | — | | |
| <i>m</i> | B | W | | 1 | 0 | 2 | 5 | 3 | 5/1993 | PCT | — | — | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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| <i>m</i> | A | Fuji, et al., "Novel Diterpenoids From Taxus Chinensis," <i>Journal of Natural Products</i> , Vol. 56, No. 9, pp. 1520-1531 (September 1993). |
| <i>m</i> | B | Guerite-Voegelein, et al., "Taxol and Derivatives: A Biogenetic Hypothesis," <i>Journal of Natural Products</i> , Vol. 50, No. 1, pp. 9-18 (January-February 1987). |
| | C | Gundlach, et al., "Jasmonic Acid is a Signal Transducer in Elicitor-Induced Plant Cell Cultures," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 89, pp. 2389-2393 (March 1992). |
| | D | Mueller, et al., "Signaling in the Elicitation Process is Mediated through the Octadecanoid Pathway Leading to Jasmonic Acid," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 90, pp. 7490-7494 (August 1993). |
| | E | Reid, "The Role of Ethylene", in Davies, ed., <i>Plant Hormones and Their Role in Plant Growth and Development</i> , Martinus Nijhoff Publishers, pp. 260-271. |
| | F | Rokem, et al., "Secondary Metabolites From Plant Cell Suspension Cultures: Methods for Yield Improvement," <i>Advances in Biotechnological Processes</i> , Vol. 4, pages 241-274 (1985). |
| ✓ | G | Rao, "Taxol and Related Taxanes. I Taxanes of <i>Taxus brevifolia</i> Bark," <i>Pharmaceutical Research</i> , Vol. 10, No. 4, pp. 521-524 (1993). |

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| EXAMINER <i>Sherie Mae</i> | DATE CONSIDERED <i>9/3/99</i> |
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Sheet 2 of 3

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| | | C | I | 3 | 1 | 7 | 2 | 4 | | | | | YES | NO |
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| <i>m</i> | D | 2 | 1 | 5 | 3 | 9 | 8 | 6 | 05/95 | Canada | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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| <i>m</i> | H | Schumacher, et al., "Elicitation of Benzophenanthridine Alkaloid Synthesis in Eschscholtzia Cell Cultures," <i>Plant Cell Reports</i> , Vol. 6, pp 410-413 (1987). |
| | I | Zamir, et al., "Biosynthetic Building Blocks of <i>Taxus canadensis</i> Taxanes," <i>Tetrahedron Letters</i> , Vol. 33, No. 36, pp. 5235-5236 (1992). |
| | J | Zhang, et al., "New Taxanes from <i>Taxus chinensis</i> ," <i>Chemical Abstracts</i> , 113(23), Abstr. 208344z (December 3, 1990). |
| | K | Zhang, et al., "Taxanes from <i>Taxus chinensis</i> ," <i>Chemical Abstracts</i> , 115, (Abstr. 131964h (September 30, 1991). |
| | L | Jia, et al., "Taxanes from <i>Taxus chinensis</i> ," <i>Chemical Abstracts</i> , 116(7), Abstr. 55524t (February 17, 1992). |
| | M | Jia, et al., "Taxanes from <i>Taxus chinensis</i> III," <i>Chemical Abstracts</i> , 117(1), Abstr. 8234j (July 6, 1992). |
| <i>✓</i> | N | Edgington, "Taxol out of the woods," <i>Bio/Technology</i> , 9, pp. 933-936 (1991). |

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| EXAMINER <i>Gene Mare</i> | DATE CONSIDERED <i>9/3/99</i> |
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Sheet 3 of 3

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| | | FILING DATE May 22, 1998 | | GROUP 1632 | | | |
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| | E | 2 1 5 3 9 8 6 | 5/26/95 | Canada | | | YES <i>duplicate</i> NO |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| <i>m</i> | O | | Crueger, et al., "Growth Kinetics of Microorganisms." In <i>Biotechnology: A Textbook of Industrial Microbiology</i> , 2nd ed., T. Brock, ed. Sunderland, MA: Sinauer Associates, pp. 67-68, (1990). | | | | |
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| EXAMINER <i>Gene Wane</i> | | | DATE CONSIDERED <i>9/3/99</i> | | | | |

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Sheet 1 of 7

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| | | C | WO | | 2 | 1 | 3 | 3 | 8 | 10/28/93 | WIPO | | | |
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| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | | |
| 2 | A | | Anderson, "Jasmonic Acid-Dependent Increases in the Level of Specific Polypeptides in Soybean Suspension Cultures and Seedlings." In <i>Plant Growth Regulation</i> 7(4). Springer-Verlag New York, pp. 203-212 (1988). | | | | | | | | | | | |
| 2 | B | | Christen, et al., "Cell Culture as a Means to Produce Taxol" (Abstract), <i>Proceedings of the American Association for Cancer Research</i> 30, pp. 566 (March 1989). | | | | | | | | | | | |
| | C | | | | | | | | | | | | | |
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| EXAMINER | <i>Yukimane</i> | | | | | | | | DATE CONSIDERED <i>9/3/99</i> | | | | | |
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Sheet 2 of 7

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| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | APPLICANT BRINGI et al. | EXAMINER: Unknown | |
| | | FILING DATE May 24, 1996 | GROUP 1201 | |

| U.S. PATENT DOCUMENTS | | | | | | | | |
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| | | H | EP | 6 | 8 | 3 | 2 | 3 | 2 | 11/22/95 | EUROPE | | | |
| | | I | DE | 1 | 2 | 2 | 2 | 0 | 8 | 07/30/92 | GERMANY | | Abstr | |

| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
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| | D | | Constabel, "Cell Culture in Phytochemistry." In <i>Cell Culture and Somatic Genetics of Plants</i> , Vol. 4, Constabel et al. (eds.). Academic Press, New York, pp. 3-13 (1987). | | | | | |
| | E | | Davies (ed.), Table of Contents of <i>Plant Hormones: Physiology, Biochemistry and Molecular Biology</i> , 2nd ed., Kluwer Academic Publishers, pp. V-VII (1995). | | | | | |
| | F | | DiCosmo, "Eliciting Secondary Metabolism in Plant Cell Cultures," <i>Trends in Biotechnology</i> . 3, pp. 318-322 (1985). | | | | | |
| | G | | Farmer, et al., "Octadecanoid Precursors of Jasmonic Acid Activate the Synthesis of Wound-Inducible Proteinase Inhibitors," <i>The Plant Cell</i> 4, pp. 129-134 (1992). | | | | | |
| | H | | Farmer, et al., "Interplant Communication: Airborne Methyl Jasmonate Induces Synthesis of Proteinase Inhibitors in Plant Leaves," <i>Proc. Natl. Acad. Sci. USA</i> 87, pp. 7713-7716 (1990). | | | | | |

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| EXAMINER | <u>Gene Man</u> | DATE CONSIDERED | <u>9/3/99</u> |
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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 21653-0118 | SERIAL NO. 08/653,036 |
| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | APPLICANT BRINGI et al. | EXAMINER: Unknown |
| | | FILING DATE May 24, 1996 | GROUP 1201 |

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| 2m | I | | Farmer, et al., "Regulation of Expression of Proteinase Inhibitor Genes by Methyl Jasmonate and Jasmonic Acid," <i>Plant Physiol.</i> 98, pp. 995-1002 (1992). |
| | J | | Franceschi, et al., "Induction of Soybean Vegetative Storage Proteins and Anthocyanins by Low-Level Atmospheric Methyl Jasmonate." In <i>Proc. Natl. Acad. Sci. USA</i> 88, pp. 6745-6749, (1991). |
| | K | | George, "Plant Growth Regulators," In <i>Plant Propagation by Tissue Culture, Part 1</i> , 2nd ed. Exegetics Limited, pp. 420-425, 479 (1993). |
| | L | | George, "Problems in Initiating and Maintaining Cultures," In <i>Plant Propagation by Tissue Culture, Part 2</i> , 2nd ed.. Exegetics Limited, pp. 639-651 (1993/1996). |
| | M | | Godfrey et al., "Phospholipid and Arachidonic Acid Metabolism in Zymosan-Stimulated Human Monocytes: Modulation by cAMP," <i>Journal of Cellular Physiology</i> 131, pp. 384-392 (1987). |
| ↓ | N | | Guern, et al., "The Compartmentation of Secondary Metabolites in Plant Cell Cultures." In <i>Cell Culture and Somatic Genetics of Plants</i> , Vol. 4, Constabel, et al. (eds.). Academic Press, New York, pp. 43-76 (1987). |
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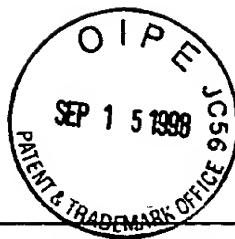
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| EXAMINER | <i>Gene Man</i> | DATE CONSIDERED <i>9/3/99</i> |
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| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT BRINGI et al. | EXAMINER: Unknown |
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| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | |
| <i>m</i> | F | | Hamberg, et al., "Oxylipin Pathway to Jasmonates: Biochemistry and Biological Significance," <i>Biochimica et Biophysica Acta</i> 1165, pp. 1-18 (1992). | | |
| | G | | Jia, et al., "Taxanes from <i>Taxus chinensis</i> I," <i>Chinese Science Bulletin</i> 36, pp. 1174-1177 (1991). | | |
| | H | | Jia, et al., "Taxanes from <i>Taxus chinensis</i> III," <i>Chinese Science Bulletin</i> 36, pp. 1967-1969 (1991). | | |
| | I | | Koda, "The Role of Jasmonic Acid and Related Compounds in the Regulation of Plant Development," <i>International Review of Cytology</i> 135, pp. 155-199 (1992). | | |
| | J | | Leroyer, et al., "Chemiluminescence and Oxygen Radical Generation by Walker Carcinosarcoma Cells following Chemotactic Stimulation," <i>Cancer Research</i> 47, pp. 4771-4775 (1987). | | |
| | K | | McKeon, et al., "Biosynthesis and Metabolism of Ethylene," In <i>Plant Hormones: Physiology, Biochemistry and Molecular Biology</i> , 2nd ed., Davies (ed.). Kluwer Academic Publishers, pp. 118-139 (1995). | | |
| | F | | Meyer, et al., "Occurrence of the Plant Growth Regulator Jasmonic Acid in Plants," <i>Journal of Plant Growth Regulation</i> 3, pp. 1-8 (1984). | | |
| <i>✓</i> | G | | Mirjalili, et al., "Methyl Jasmonate Induced Production of Taxol in Suspension Cultures of <i>Taxus cuspidata</i> : Ethylene Interaction and Induction Models," <i>Biotechnology Progress</i> 12(1), pp. 110-118 (1996). | | |
| EXAMINER <i>Jenee Mox</i> | | | DATE CONSIDERED <i>9/13/99</i> | | |
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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| M | H | | Morandi, "Effect of Xenobiotics on Endomycorrhizal Infection and Isoflavonoid Accumulation in Soybean Roots," <i>Plant Physiol. Biochem.</i> 27(5), pp. 697-701 (1989). |
| | I | | Omata et al., "Volatile Components of Ginger Flowers Hedychium-Coronarium Koenig," <i>Flavour and Fragrance J.</i> 6(3), pp. 217-220 (1991). |
| | J | | Parthier, "Jasmonates: Hormonal Regulators or Stress Factors in Leaf Senescence?," <i>J. of Plant Growth Regulation</i> 9, pp. 57-63 (1990). |
| ↓ | K | | Parthier, "Jasmonates, New Regulators of Plant Growth and Development: Many Facts and Few Hypotheses on their Actions," <i>Bot. Acta</i> 104, pp. 446-454 (1991). |

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| EXAMINER | <i>Gene Man</i> | DATE CONSIDERED 9/3/99 |
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| | E | W | | | | | NO |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| M | F | | Ravnikar, et al., "Stimulatory Effects of Jasmonic Acid on Potato Stem Node and Protoplast Culture," <i>J. Plant Growth Regulation</i> 11, pp. 29-33 (1992). | | | | |
| | G | | Sakuta, et al., "Cell Growth and Accumulation of Secondary Metabolites." In <i>Cell Culture and Somatic Genetics of Plants</i> , Vol. 4, Constabel, et al. (eds.). Academic Press, New York, pp. 97-114 (1987). | | | | |
| | H | | Sembdner, et al., "The Biochemistry and the Physiological and Molecular Actions of Jasmonates," <i>Annu. Rev. Plant Physiol. Plant Mol. Biol.</i> 44, pp. 569-89 (1993). | | | | |
| | I | | Seto, et al., "Structure-Activity Relationships of (\pm)-Cucurbitic Acid Analogs on the Root Growth of Rice Seedlings and Height of Young Corn Plants," <i>J. Pesticide Sci.</i> 17, pp. 61-67 (1992). | | | | |
| | J | | Staswick, "Jasmonates, Salicylic acid and Brassinolides" and "Jasmonate Activity in Plants." In <i>Plant Hormones: Physiology, Biochemistry and Molecular Biology</i> , 2nd ed., Davies (ed.). Kluwer Academic Publishers, pp. 179-187 (1995). | | | | |
| ↓ | K | | Threlfall, et al., "The use of biotic and abiotic elicitors to induce the formation of secondary plant products in cell suspension cultures of solanaceous plants," <i>Biochemical Society Transactions</i> 16, pp. 71-75 (1988). | | | | |
| EXAMINER | <i>Gene Wane</i> | | DATE CONSIDERED <i>9/3/99</i> | | | | |
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| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | APPLICANT BRINGI et al. | EXAMINER: Unknown | |
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| | | <i>9/3/99</i> |

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Sheet 2 of 3

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| LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary) | | APPLICANT BRINGI et al. | | EXAMINER: Unknown | | | |
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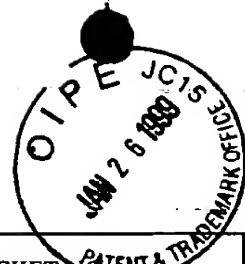
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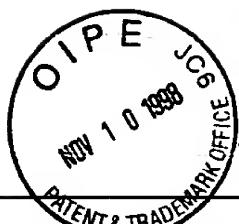
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| EXAMINER <i>Gene Marie</i> | | | | DATE CONSIDERED <i>9/3/99</i> | | | | | |
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